

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Jeffrey Allen Nielsen et al

Confirmation Number:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: SEPARATE SOLIDIFICATION OF BUILD MATERIAL AND SUPPORT MATERIAL IN SOLID
FREEFORM FABRICATION SYSTEM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before
mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the
pendency of this application, please charge any fees required or credit any overpayment to Deposit
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☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with
copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s)
believe(s) may be material to the examination of this application and for which there may be a duty to
disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications
and other foreign language information listed on PTO Form 1449, as presently understood by the
individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the
attached sheet, or where a foreign language patent is cited in a search report or other action by a
foreign patent office in a counterpart foreign application, an English language version of the search
report or action which indicates the degree of relevance found by the foreign office is listed on form PTO
1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

- ☒ I hereby certify that this correspondence is being
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Typed Name: Timothy F. Myers

Signature: Timothy F. Myers

Respectfully submitted,

Jeffrey Allen Nielsen et al

By Timothy F. Myers

Timothy F. Myers

Attorney/Agent for Applicant(s)

Reg. No. 42,919

Date: 7/28/03

Telephone No.: (541) 715-4197

PATENT APPLICATION

Sheet 1 of 2

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200309751-1	APPLICATION NO.	CONFIRMATION NO.
APPLICANT Jeffrey A. Nielsen et al.			
FILING DATE		GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	5,204,055	4/20/1993	Sachs et al.	
	1B	5,387,380	2/7/1995	Cima et al.	
	1C	5,740,051	4/14/1998	Sanders, Jr. et al.	
	1D	5,902,441	5/11/1999	Bredt et al.	
	1E	6,146,567	11/14/2000	Sachs et al.	
	1F	6,165,406	12/26/2000	Jang et al.	
	1G	6,259,962	7/10/2001	Gothait	
	1H	2002/0016386	2/7/2002	Napadensky	
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Lembo, John, "Three Dimensional Printing," ADVANCED MATERIALS & PROCESSES, January 2002.
	1R	Brown, Paul Wencil, "Cements Research Progress 1990."
	1S	Blazdell, P.F. and J.R.G. Evans, "Preparation of Ceramic Inks for Solid Freeforming Using a Continuous Jet Printer," JOURNAL OF MATERIALS SYMTHESIS AND PROCESSING, Vol. 7, No. 5, 1999.

EXAMINER

DATE CONSIDERED

PATENT APPLICATION

Sheet 2 of 2

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200300746-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT Oriakhi et al.		
	FILING DATE	GROUP	

REFERENCE DESIGNATION**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A				
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

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2Q	Evans, J.R.G., "Direct Ink Jet Printing of Ceramics: Experiment in Teleology," BRITISH CERAMIC TRANSACTIONS, Vol. 100, No. 3, 2001.
2R	Song, Jin Hua, Mohan J. Edirisinghe, and Julian R.G. Evans, "Formulation and Multilayer Jet Printing of Ceramic Inks," JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 82 (12) 3374-80 (1999).
2S	Merlin, Fabrice, Helene Lombois, Stephane Joly, Nicolas Lequeux, Jean-Louis Halary and Henri Van Damme, "Cement-polymer and clay-polymer nan- and meso-composites: spotting the difference," J. MATER. CHEM., 2002, 12, 3308-3315.

EXAMINER

DATE CONSIDERED